

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/01

Date Received: 01/11/01

Project: Metro Self Monitor, PO# M65168

Date Extracted: 01/19/01 and 01/30/01

Date Analyzed: 01/24/01 and 01/30/01

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M65168 101039-01	0.81	0.45	0.72	0.06
Method Blank	<0.05	<0.05	<0.05	<0.05

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Date of Report: 02/01/01

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**QUALITY ASSURANCE RESULTS
FROM TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 101093-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	1.5	1.5	0	0-20
Copper	mg/L (ppm)	1.1	1.1	0	0-20
Nickel	mg/L (ppm)	1.7	1.7	0	0-20
Zinc	mg/L (ppm)	0.10	0.07	a	0-20

Laboratory Code: 101093-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	1.5	94	100	80-120	6
Copper	mg/L (ppm)	5	1.1	94	97	80-120	3
Nickel	mg/L (ppm)	10	1.7	97	101	80-120	4
Zinc	mg/L (ppm)	5	0.10	103	101	80-120	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	106	80-120
Copper	mg/L (ppm)	5	108	80-120
Nickel	mg/L (ppm)	10	106	80-120
Zinc	mg/L (ppm)	5	112	80-120

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

101039

SAMPLE CHAIN OF CUSTODY

Send Report To GENARO A. Thompson
 Company Alaskan Copper Works
 Address 628 S. Howard ST
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8379 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

metno self monitor

PO #

m65168

REMARKS

KT 1-11-01
A13

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

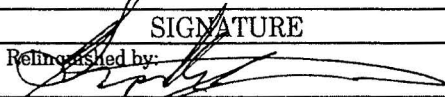
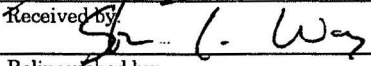
Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
m65168	-01	1/11/01	10:00	H2O	1							✓				

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	GENARO A. Thompson	ACW	1/11/01	11:17am
Received by: 	Steven Wiles	FBI	1-11-01	11:17am
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 1, 2001

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

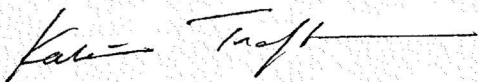
Dear Mr. Thompson:

Included are the results from the testing of material submitted on January 11, 2001 from your Metro Self Monitor, PO# M65168 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU0201R.DOC

FRIEDMAN & BRUYA, INC.

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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 1, 2001

DUPLICATE COPY

INVOICE # 01ACU0201-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M65168 - Results of testing requested by
Gerry Thompson for material submitted on January 11, 2001.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010 @ \$80 per sample	\$ 80.00
Amount Due	\$ 80.00

FEDERAL TAX ID #(b) (6)